**Hari**

**Contact: +1 (223) 356-3459**

**Sr. DevOps Engineer | Cloud Specialist (Azure)**

**SUMMARY:**

* 10+ years of IT experience with Devops Engineer/Cloud Engineer, Configuration Management, Build, Release Management, Quality Assurance, Continuous Integration and Continuous Deployment, Virtualization, Azure and AWS at various enterprises.
* Expertise in **Azure infrastructure management** (Azure Web Roles, Worker Roles, SQL Azure, Azure Storage, Azure AD Licenses, Office365, security).
* Hands on experience on Azure web application like **Azure App** & Cloud Services, Azure Data Factory, Azure SQL Data Warehouse, **Azure Blob Storage**, **Web API**, **Virtual machines**, Lift & Shift, Azure storage, Azure AD, Azure search, & Notification hub.
* Experience in writing Infrastructure as a code (IaaC) in **Terraform, Azure resource management (ARM) Templates.**
* Experienced in Windows Azure Services like PaaS, IaaS and worked on Azure PaaS storages like **Blob** (Page and Block), **Azure SQL**. Well experienced in deployment & configuration management and Virtualization.
* Experience in **Azure IaaS** - Virtual Networks, Virtual Machines, Cloud Services, Resource Groups, Express Route, Traffic Manager, VPN, Load Balancing, Application Gateways, and Auto-Scaling.
* Designed AWS Cloud Formation templates to create custom sized VPC, subnets, NAT to ensure successful deployment of Web applications and database templates.
* Automated deployments, scaling, and operations of application containers across clusters of hosts, provided container-centric infrastructure by **Kubernetes**.
* Experienced in authoring and building **Azure Logic apps**, Logic App integration, Publishing and monitoring Logic Apps and Logic App diagnostics**.**
* Configured application servers like Web-Sphere, Tomcat, Web-Logic with the databases.
* Knowledge of using Routed Protocols: **FTP, SSH, HTTP, TCP/IP**, and **HTTPS**. Experience and good knowledge on SFTP, FTP sites and WINSCP.
* Experience & Knowledge on Encryption & Decryption of files using secret keys.
* Experience in working on **CI/CD** and configuration management tools like **TFS, Azure Devops, chef**.
* Experience in Deploying applications in cloud servers like **Azure** and knowledge of **AWS** clouds.
* Extensive working Experience in using tracking tools like **JIRA** for bug tracking and project management issues.
* Full understanding of SDLC, Agile Methodologies and process.
* Configured Jenkins as a common build engine to build and deploy applications to DEV, QA, and UAT and PROD Environments.

**TECHNICAL SKILLS:**

**Operating Systems :** Linux, Windows Server.

**Cloud Technologies : Microsoft** Azure Infrastructure (Paas and Iaas Services), AWS(EC2, VPC, S3, IAM, EBS, Security Groups, RDS).

**Datacenter Migrations**: On-Premises Microsoft Application migration to Azure Cloud

**Devops Tools :** Urban Code Deploy, Jenkins (CI), Puppet, Chef, Ansible,Terraform

**Build Tools :** ANT, MAVEN, Gradle, MS Build.

**Languages/ Scripts :** C, C++, .Net,SQL, JAVASCRIPT, PowerShell, Bash, Ruby and Python scripting.

**Databases :** MySQL, SQL Server.

**Web/App Server :** IIS, Tomcat, WebSphere Application Server.

**Bug Tracking Tools :** ServiceNow, JIRA, Rally.

**Versioning Tool :** GIT, TFS, GitHub, Bitbucket.

**EDUCATION:** Bachelor of technology in Computer Science Engineering- Jawaharlal Nehru Technological University –Hyderabad. (2008-2012)

**Certifications:**

• Microsoft: AZ-104 | Microsoft Certified: Azure Administrator Associate.

• Microsoft: AZ-700 | Microsoft Certified: Azure Network Engineer Associate.

• AWS Solution Architect Associate

PROFESSIONAL EXPERIENCE:

FirstClose Nov 2018 - till date

Role: **Sr**.**Azure DevOps Engineer**

**Responsibilities:**

* Architecting and managing end-to-end cloud applications leveraging Azure services including Azure Web Apps, Azure Functions, and Azure Cosmos DB to ensure scalable, reliable, and efficient solutions.
* Utilizing Azure Web Apps for hosting and managing web applications, prioritizing high availability, scalability, and reduced operational overhead.
* Experience in creating **Network Security Groups** (NSG) to filter the traffic to and from Azure Resources by configuring the Inbound and Outbound rules and associating them with Subnet and Network Interfaces.
* Configured existing **Azure Devops pipelines** to **Continuous Integration (CI)** and **Continuous delivery (CD)** of applications.
* Configuring new releases with Pre-deployment conditions like Triggers, Pre-deployment approvers, Gates.
* Worked with **libraries** for pipelines by adding new **variable groups** and **secure files**.
* Worked on creating new **Azure Resource Manager** (ARM) Service connections for different teams.
* Deployed Azure IaaS **virtual machines** (VMs) and **Cloud services** (PaaS role instances) into secure **VNets** and subnets using Azure portal and **ARM Templates**.
* Designed and configured **Azure Virtual Networks** (VNets), subnets, Azure network settings, DHCP address blocks, DNS settings, security policies and routing.
* Uploaded files into **Azure Storage Account blob** container using AZ Copy.
* Worked on **Azure DevOps Multi -Stage YAML pipeline to Build and Deploy** .Net Core Applications into Azure APP Service Env.
* Handled **Docker** Engine, Docker-Hub, Docker Compose, Docker Registry, Docker Swarm and Orchestration tools such as **Kubernetes**. Responsible for container creation and management for different applications on Docker engine through writing and editing Docker files.
* Configured applications on **Docker** applications by utilizing Docker Compose tool which uses a file configured in **YAML** format. Used **Kubernetes** to manage containerized applications using its nodes, Config-maps, Selector, Services, and deployed application Containers as pods.
* Integrated Azure policies with **Azure Kubernetes Service (AKS)** cluster to apply enforcement and safeguards on the cluster in a centralized manner.
* Used **Azure Kubernetes Service (AKS)** to deploy the Kubernetes cluster in Azure. Created an AKS cluster in the Azure portal, with the Azure CLI and used template-driven deployment options such as Resource Manager Templates and Terraform.
* Playing a key role in the migration of on-premises applications to Azure Cloud, leveraging Azure DevOps for a consistent and secure migration process.
* Collaborating closely with cross-functional teams and stakeholders to gather requirements, design state-of-the-art solutions, and ensure project success.
* Developed reusable, scalable, and maintainable infra code modules, contributing to a robust IaC library.
* Designing applications with future scalability in mind, ensuring readiness for potential load increases.
* Regularly auditing Azure resources to guarantee cost-effective solutions without performance compromise.
* Keeping up to date with the latest Azure advancements, ensuring the continual enhancement of implemented solutions.
* Maintaining open channels of communication with clients to gather real-time feedback, driving solution improvements based on practical needs.
* Automated build, test, and deployment processes, significantly reducing delivery times and enhancing overall system reliability. Worked on SFTP, FTP and WINSCP.
* Experience & Knowledge on FTP, SFTP, WINSCP & FileZilla.
* Worked on Encryption & Decryption of files which we send & receive from outside vendor.
* Executed SQL scripts and made changes to the existing tables in databases.

**Environment:** Azure, Azure Devops (VSTS), TFS, .Net, Windows, SVN, GIT, MS Visual Studio 2019/2017/2015, Docker, Kubernetes, PowerShell, C#, Java, Jira, SQL Server 2016/2012, MS office, MS Project, SharePoint 2013, SSMS, OpCon Enterprise Manager Server, JAMS Automation Scheduler.

Client: Appraiser Dashboard May 2016 - Nov 2018

Role: DevOps Engineer

**Responsibilities:**

* Experienced in **Azure Network Configuration** - Created resource groups using resource manager which allow to see cost/billing and monitoring information for resources within a resource group and manage access to those resources as a set for the individual customer.
* Platform troubleshooting in the non-production landscapes- review application logs, system logs, server logs.
* Experienced in **Azure SQL Services** - Created Azure SQL database, performed monitoring and restoring of Azure SQL database. Performed migration of Microsoft SQL Server to **Azure SQL database.**
* Performed provisioning of **IAAS, PAAS Virtual Machines** and Web, Worker roles on Microsoft AZURE Classic and Azure Resource Manager.
* Identifying opportunities to improve infrastructure that effectively and efficiently utilizes Microsoft Azure, Microsoft SQL Server, Microsoft Visual Studio, Windows server, Windows PowerShell, Cloud infrastructure.
* Used **Docker** in Environment variables, Configuration files, Option types and Strings & integers.
* Completed the deployment of a cloud native application on Microsoft Azure using **Azure Kubernetes Service**, Azure traffic manager and Azure VNets.
* Used **Kubernetes** to manage containerized applications using its nodes, Config Maps, selector, Services and deployed application containers as Pods.
* Provisioned the high availability of Azure VMs using **Terraform** and **ARM templates**, wrote new plugins to support new functionality in Terraform and involved in using Terraform to migrate legacy and monolithic systems to Azure.
* Configured **Jenkins** as a common build engine to build and deploy applications to DEV, QA, and UAT and PROD Environments.
* JFrog Artifactory is used as a source code repository for some of the applications to store them in a more secured repository.
* Worked on **Chef**, Used Chef to automate the deployment workflow of JAVA applications on Apache Tomcat and Oracle WebLogic servers.
* Integrated **JIRA** with subversion and configured with Jenkins to automate the entire Build and release process.
* Implemented and followed **Agile Methodology** in the project.
* Experience working on GIT and GITHUB for source code management and versioning.
* Pulled artifacts from Artifactory using JFROG Downloader task and deployed the artifacts into local servers.
* AWS is used as deployment server for some specific applications.
* WTS (Windows Ticketing System) is used for the ticketing purpose.

**Environment:** Microsoft Azure, Azure Devops (VSTS), Jenkins, JFROG Artifactory, TFS, JIRA, GIT/GIT Hub, AWS, Subversion, Docker, Kubernetes, PowerShell

Client: FirstClose Aug 2014 - May 2016

Product: Digital Lending Portal

Role: DevOps Engineer

**Responsibilities:**

* Automated Build and Deployment process-setup Continuous Integration and Continuous Deployment of applications onto different environments like Dev, QA, and Production.
* Involved in Scrum meetings, product backlog, and other scrum activities in collaboration with respective teams.
* Designed and configured **Azure Virtual Networks** (VNets), subnets, Azure network settings, DHCP address blocks, DNS settings, security policies and routing.
* Deployed **Azure IaaS virtual machines** (VMs) and Cloud services (PaaS role instances) into secure VNets and subnets.
* Designed **Network Security Groups** (NSGs) to control inbound and outbound access to network interfaces (NICs), VMs and subnets.
* Platform troubleshooting in the non-production landscapes- review application logs, system logs, server logs.
* Provided high availability for **IaaS VMs** and PaaS role instances for access from other services in the VNet with Azure Internal Load Balancer.
* Configuring **Cross-Premises connectivity** (Point-to-Site/Site-to-Site/VNET-to-VNET) **VPNs**.
* Configuring **Auto Scaling, Availability sets, Load Balancing, Health Probes, Logging Alerts**.
* Creating, registering, and attaching **VHDs** and Data disks on to the VM.
* Installing VMs agents and **Extensions** and custom scripts on Virtual machines.
* Used **Azure BLOB** to access required files and Azure Storage Queues to communicate between related processes.
* Designed and developed standalone data migration applications to retrieve and populate data from Azure Table / BLOB storage to on-premises SQL Server instances.
* Configuring Always on Availability groups for SQL Server on ARM VMs to maintain High Availability.
* Built a configuration driven API which can work with multiple messaging systems like RabbitMQ and WebSphere MQ.
* Used the **Application Server Admin** (JBoss/ Tomcat) to manage the systems remotely using Ansible and using Linux.
* Used **NoSQL, MongoDB, and Elastic cache** to perform basic database administration. Build out server automation with Continuous Integration - Continuous Deployment tools like Jenkins/Gradle for deployment and build management system.
* Manage Confluence troubleshooting, permissions, and workflows.
* Involved in setting up **JIRA** as a defect tracking system and configuring various workflows, customizations, and plug-ins for the JIRA bug/issue tracker.
* Provided 24/7 on call support on Linux Production Servers. Responsible for maintaining security on RHEL.
* Trains others on the team to advance the team skill levels.
* Respond 24/7 to System alarms when on-point in the scheduled operation rotation schedule.
* Maintain and document new DevOps processes and procedures.

**Environment:** Azure Cloud, TFS, GIT, Jenkins, JIRA, Docker, Linux, Apache Tomcat, MongoDB, WebSphere, Python script, MySQL, Prometheus, Ansible, OpenStack

Client: VonExpy Softech Pvt Ltd Aug 2013 – Aug 2014

Role: System Administrator

**Responsibilities:**

* system administration to include systems management, backup, storage management, user management and 24/7 support of testing and production environment (**Red Hat Enterprise Server, Cent OS, and VMware**).
* Installation of **RHEL, SUSE Linux, centos, Slat** and **Fedora** on physical server and virtual server. Installed Red Hat Linux on **VMware**.
* Developed and maintained a cloud-based architecture running **Red Hat Enterprise Linux**. as well as the control of RedHat Linux groups, directories, and file permissions.
* Worked on physical and virtual machine installation and maintenance. Also managed and installed repositories using package managers like **apt**, **yum**.
* Writing **Shell** and **Perl** scripts for automated deployments especially in handling all the tasks before kicking off **WSADMIN** scripts or admin console deployments.
* Created Logical Volumes (**LVM**) for Linux Operating System. Secured services using **TCP** **Wrapper** and **SE** Linux.
* Analyzed the Troubleshooting in **QA**, **CERT**, **UAT** and **PROD** environment issues and support the Production issues.